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1 The Jupiter audio/video architecture: secure multimedia in network places

Pavel Curtis, Michael Dixon, Ron Frederick, David A. Nichols
January 1995 **Proceedings of the third ACM international conference on Multimedia**
Publisher: ACM Press
Full text available: htm(72.37 KB) Additional Information: full citation, references, citings, index terms

Keywords: audio, collaboration, encryption, multicast, network places, security, video

2 Device reservation in audio/video editing systems

David P. Anderson
May 1997 **ACM Transactions on Computer Systems (TOCS)**, Volume 15 Issue 2
Publisher: ACM Press
Full text available: pdf(297.15 KB) Additional Information: full citation, abstract, references, index terms, review

What fraction of disks and other shared devices must be reserved to play an audio/video document without dropouts? In general, this question cannot be answered precisely. For documents with complex and irregular structure, such as those arising in audio/video editing, it is difficult even to give a good estimate. We describe three approaches to this problem. The first, based on long-term average properties of segments, is fast but imprecise: it underreserves in some cases and overreserves i ...

Keywords: admission control, edit decision list, quality of service, reservation

3 Summary of the Second International Workshop on Network and Operating System Support for Digital Audio and Video

Ralf Guido Herrtwich
April 1992 **ACM SIGOPS Operating Systems Review**, Volume 26 Issue 2
Publisher: ACM Press
Full text available: pdf(2.58 MB) Additional Information: full citation, index terms

4 Multipoint audio and video control for packet-based multimedia conferencing

F. Gong
October 1994 **Proceedings of the second ACM international conference on Multimedia**

Publisher: ACM Press

Full text available: pdf(979.60 KB) Additional Information: full citation, abstract, references, citings, index terms

With the advent of broadband integrated services data network (B-ISDN) technologies such as Asynchronous Transfer Mode (ATM) networks, packet-based multimedia (e.g., live audio and video, animation, and text) conferencing is becoming a viable means for achieving virtual proximity, which enables us to overcome the physical separation in space and time and to interact more effectively in our science and engineering endeavors. To bring about the reality of virtual proximity, many technical iss ...

5 Summary of the Second International Workshop on Network and Operating System Support for Digital Audio and Video

Ralf Guido Herrtwich

April 1992 **ACM SIGCOMM Computer Communication Review**, Volume 22 Issue 2

Publisher: ACM Press

Full text available: pdf(2.32 MB) Additional Information: full citation, index terms

6 Improving and managing multimedia performance over TCP–IP nets

Nathan J. Muller

December 1998 **International Journal of Network Management**, Volume 8 Issue 6

Publisher: John Wiley & Sons, Inc.

Full text available: pdf(338.34 KB) Additional Information: full citation, abstract, index terms

The TCP-IP-based Internet and, consequently corporate Intranets, were not designed for multimedia traffic. This article discusses the several ways of improving multimedia performance, finding that data compression techniques are no longer the most important factor. © 1998 John Wiley & Sons, Ltd.

7 Adaptive feedback techniques for synchronized multimedia retrieval over integrated networks

Srinivas Ramanathan, P. Venkat Rangan

April 1993 **IEEE/ACM Transactions on Networking (TON)**, Volume 1 Issue 2

Publisher: IEEE Press

Full text available: pdf(1.46 MB) Additional Information: full citation, references, citings, index terms

8 A continuous media transport and orchestration service

Andrew Campbell, Geoff Coulson, Francisco García, David Hutchison

October 1992 **ACM SIGCOMM Computer Communication Review , Conference proceedings on Communications architectures & protocols SIGCOMM '92**, Volume 22 Issue 4

Publisher: ACM Press

Full text available: pdf(1.37 MB) Additional Information: full citation, abstract, references, citings, index terms

The desire to transfer continuous media such as digital audio and video across packet switched networks imposes a number of new requirements on transport level communication services. This paper identifies a number of these requirements in the context of an experimental distributed multimedia infrastructure, and reports on research which addresses some of the associated issues. Particular attention is paid to two areas: (i) extended Quality of Service (QoS) provision; and (ii) support for t ...

9 Summary of the 4th International Workshop on Network and Operating System Support for Digital Audio and Video (NOSSDAV'93)

G. S. Blair, A. Campbell, G. Coulson, N. Davies, F. Garcia, D. Shepherd

April 1994 **ACM SIGOPS Operating Systems Review**, Volume 28 Issue 2

Publisher: ACM Press
Full text available: pdf(1.11 MB) Additional Information: full citation, index terms

10 An experimental multi-media bridging system
E. J. Addeo, A. B. Dayao, A. D. Gelman, V. F. Massa
April 1988 **ACM SIGOIS Bulletin , Proceedings of the ACM SIGOIS and IEEECS TC-OA 1988 conference on Office information systems**, Volume 9 Issue 2-3
Publisher: ACM Press
Full text available: pdf(985.07 KB) Additional Information: full citation, abstract, references, citings, index terms

The prototype system, which is described in this paper and called the Multi-Media Bridge, is designed to test service concepts and evolving technologies that make possible the deployment of multi-media group communications in future broadband networks. It incorporates such features as extended quality audio, full-motion video, graphics and data multi-point communications capability. The Bridge could serve as either a separate vendor entity or as an integral part of a network-based complex. ...

11 Performance evaluation of connection rerouting schemes for ATM-based wireless networks
Ramachandran Ramjee, Thomas F. La Porta, Jim Kurose, Don Towsley
June 1998 **IEEE/ACM Transactions on Networking (TON)**, Volume 6 Issue 3
Publisher: IEEE Press
Full text available: pdf(181.98 KB) Additional Information: full citation, references, citings, index terms, review

Keywords: ATM, handoffs, wireless networks

12 Summary of the 4th international workshop on Network and Operating System Support for Digital Audio and Video (NOSSDAV'93)
G. S. Blair, A. Campbell, G. Coulson, N. Davies, F. Garcia, D. Shepherd
January 1994 **ACM SIGCOMM Computer Communication Review**, Volume 24 Issue 1
Publisher: ACM Press
Full text available: pdf(1.05 MB) Additional Information: full citation, abstract, index terms

This paper presents a summary of the fourth International Workshop on Network and Operating System Support for Digital Audio and Video held at Lancaster. The contents of each session (including panel and work in progress sessions) are described and major areas of controversy are highlighted. A complete bibliography of all papers presented is included.

13 Papers: Program insertion in real-time IP multicasts
Jack Brassil, Sukesh Garg, Henning Schulzrinne
April 1999 **ACM SIGCOMM Computer Communication Review**, Volume 29 Issue 2
Publisher: ACM Press
Full text available: pdf(1.55 MB) Additional Information: full citation, abstract, references, citings

We describe the design, implementation and operation of a prototype system which seamlessly mixes real-time audio and video streams originating from multiple, physically separated sources. Mixing is entirely decentralized, relying on new protocols to coordinate transfer of session control between IP multicast sources. The system is motivated by the desire to perform dynamic insertion of advertisements in active, real-time multimedia sessions. It permits content providers and viewers a far richer ...

14 An active service framework and its application to real-time multimedia transcoding

Elan Amir, Steven McCanne, Randy Katz
October 1998 **ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM '98 conference on Applications, technologies, architectures, and protocols for computer communication SIGCOMM '98**, Volume 28 Issue 4
Publisher: ACM Press
Full text available: pdf(1.80 MB) Additional Information: full citation, abstract, references, citings, index terms

Several recent proposals for an "active networks" architecture advocate the placement of user-defined computation within the network as a key mechanism to enable a wide range of new applications and protocols, including reliable multicast transports, mechanisms to foil denial of service attacks, intra-network real-time signal transcoding, and so forth. This laudable goal, however, creates a number of very difficult research problems, and although a number of pioneering research efforts in active ...

15 Developing distributed multimedia applications
Vincent Phuah, Jose Diaz-Gonzalez, Russ Sasnett, Steve Gutfreund
July 1992 **ACM SIGCOMM Computer Communication Review**, Volume 22 Issue 3
Publisher: ACM Press
Full text available: pdf(314.77 KB) Additional Information: full citation, index terms

16 Pegasus—operating system support for distributed multimedia systems
Ian M. Leslie, Derek McAuley, Sape J. Mullender
January 1993 **ACM SIGOPS Operating Systems Review**, Volume 27 Issue 1
Publisher: ACM Press
Full text available: pdf(1.21 MB) Additional Information: full citation, citings, index terms

17 Algorithms and performance evaluation of the Xphone multimedia communication system
Alexandros Eleftheriadis, Sassan Pejhan, Dimitris Anastassiou
September 1993 **Proceedings of the first ACM international conference on Multimedia**
Publisher: ACM Press
Full text available: pdf(208.33 KB) ps(362.57 KB) Additional Information: full citation, references, citings, index terms

Keywords: application development systems, media synchronization, multimedia communication systems, source rate control

18 Applying cryptographic techniques to problems in media space security
Ian E. Smith, Scott E. Hudson, Elizabeth D. Mynatt, John R. Selbie
August 1995 **Proceedings of conference on Organizational computing systems**
Publisher: ACM Press
Full text available: pdf(967.50 KB) Additional Information: full citation, abstract, references, citings, index terms

Media spaces integrate audio, video, and computing systems for the purpose of remote collaboration and awareness, frequently between people engaged in a cooperative task. Technological advances have made these systems feasible using desktop computers and broadband, digital networks. Using a media space over a shared network requires that numerous security and privacy issues be addressed. One advantage of digital media spaces is that properties of the media space can be manipulated so that u ...

19 MPEG: a video compression standard for multimedia applications

Didier Le Gall
April 1991 **Communications of the ACM**, Volume 34 Issue 4
Publisher: ACM Press

Full text available: pdf(9.16 MB) Additional Information: full citation, references, citings, index terms, review

20 Embedded video in hypermedia documents: supporting integration and adaptive control

Dick C. A. Bulterman
October 1995 **ACM Transactions on Information Systems (TOIS)**, Volume 13 Issue 4
Publisher: ACM Press

Full text available: pdf(2.41 MB) Additional Information: full citation, abstract, references, citings, index terms

As the availability of digital video becomes commonplace, a shift in application focus will occur from merely accessing video as an independent data stream to embedding video with other multimedia data types into coordinated hypermedia presentations. The migration to embedded video will present new demands on application and support environments: processing of any one piece of video data will depend on how that data relates to other data streams active with ...

Keywords: adaptive control, embedded video, hypermedia documents, multimedia, synchronization, video presentation

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	120511	av or (audio near2 video)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/09/18 04:57
L2	84857	monolith$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/09/18 04:57
L3	8424392	fragment$5 section$4 part$2 piece$2 portion$2	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/09/18 04:57
L4	81208	network with address$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/09/18 04:57
L5	4271961	generat$5 creat$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/09/18 04:58
L6	30007	1 same 3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/09/18 04:58
L7	10386	4 with 5	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/09/18 04:58
L8	21	2 same 6	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/09/18 04:58
L9	0	7 and 8	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/09/18 04:59
L10	21	6 and 8	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/09/18 04:59
L11	480	6 and 7	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/09/18 05:00

EAST Search History

L12	10376033	@ad<"19990927"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/09/18 05:00
L13	99	11 and 12	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/09/18 05:38
L14	2	13 and xml	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/09/18 05:38